

## Abstract

A client accesses an application provided on a server using web services to formulate appropriate commands to the application. The client additionally downloads from the server its own web services provider, and the server maintains an application to consume services provider by the client-side provider. In this way, the server is provided with the ability to issue to the client commands which can be interpreted by the client as event notifications and messages. In this way, web services can be used in parallel streams to be provide unsolicited event messaging from the client to the server and vice versa. This has particular application in the provision of a computer telephone integration (CTI) client which needs to receive unsolicited events messaging relating to a telephony device under its control.

(Fig. 2)